



## Q-CODE Q45F QUALITY REQUIREMENTS

### ACCEPTANCE OF CONFORMAL COAT FOR DRS PROGRAM

The following are the quality requirements for product purchased under Q-Code Q45F. These requirements are specific to our customer Leonardo DRS Naval Power. Unless a written waiver is received from Plexus, the supplier agrees to abide by the quality requirements listed below. This includes but is not limited to:

- Granting the right of access to the supplier's facilities and all applicable records to Plexus, their customer Leonardo DRS Naval Power and regulatory authorities with the acceptance of the Purchase Order
- Flow down all applicable requirements to sub-tier suppliers including key characteristics
- Retention of all records for a minimum of 7 years that support the manufacturing or material per the requirements of this Plexus customer.

### ALL SHIPMENTS

#### SHIPMENTS AND HANDLING OF EXPORT CONTROLLED ITEMS, DATA, OR SERVICES

The Supplier agrees to comply with The Arms Export Control Act, 22 U.S.C 2751-2794, the International Traffic in Arms Regulation (ITAR), 22 C. F. R. 120 - 130, the Export Administration Act, 50 U.S.C. app 2401-2420, and the Export Administration Regulations, 15 C.F.R. 730-774 for this product, all specifications, and associated documentation. This includes, but is not limited to:

- Export controlled items, data, services, or any element thereof, shall not be exported from the United States without U.S. Government authority and the express written authorization of a Plexus ITAR Empowered Official.
- Export controlled items, data, or any element thereof, shall not be transferred or disclosed to foreign persons including transfer to foreign persons employed by or associated with, under contract to Sub-tier suppliers including transportation carriers.
- Import licenses will be provided with all shipments where applicable.

#### PROHIBITED MATERIALS

Unless specifically called out by DRS-CCI procurement documents or approved drawings, the material listed in Table 1 below shall not be used in the manufacturing of items delivered to DRS-CCI.

Exceptions can be requested via the Plexus deviation process.



Table 1: Prohibited Materials

Adhesive Tape	Corrosion Inhibitors	Polychlorinated Biphenyls (PCBs)
Aluminum Electrical Conducting Wire	Flammable Materials	Polyvinyl Chloride (PVC)
Antimony and Alloys	Fragile or brittle Materials	Radioactive Materials
Asbestos	Freon Solvents	Selenium
Barium	Lead and Alloys	Silicone
Bismuth and Alloys	Liquid Masking Materials (for electrical connectors and socket mounted components)	Silver
Boron Trifluoride	Lithium	Teflon
Brass with Pb >1%	Low Melting Point Metals	Thermal Compound (for electrical connectors and socket mounted components)
Bronze with Pb>1%	Magnesium	Thiosulfate
Cadmium	Mercury and Mercury Compounds (See QC117)	Tin and Alloys
Chromium % Chromium Compounds	Ozone Depleting Substances	Zinc, Alloys and Chromates

## FIRST ARTICLE REQUIREMENT

Supplier will execute the First Shipment requirements below and provide the results to Plexus when any of the following occurs:

- A change invalidates the previous first article inspection result per AS9102
- Finished goods have been held in inventory by the supplier for 2 or more years
- Plexus has not received product in 2 or more years

## First Shipment

The documentation and quality requirements for the initial shipment and/or the first shipment after any changes have been made, are as follows:

- First Article Inspection Requirement** - Supplier will execute the Aerospace First Article Inspection requirements of the SAE standard, AS9102 and provide the results to Plexus with each shipment in which the requirement is to be executed.
  - All recorded measurements shall include unit of measure, inches is preferred.
  - Must include One Coupon physically provided with shipment.
  - Must include Coupon Thickness Measurement/Drop Gauge Report for each side conformal coating is applied.
  - Tooling/Equipment Calibration Certificates - Must include copies of the actual calibration certificates of the tooling/equipment used as referenced in Column 10 of Form 3.
- Materials Certificates** - The material certification must include a statement declaring that the items are processed from the material specified and that all raw materials used conform to all applicable PO and drawing specifications and are traceable to test reports at the point of manufacturing. Included with each shipment the reports of the raw materials used in fabrication that provide direct traceability to the raw stock of the chemical compositions and physical properties for every PO and Lot Number of finished part.
- Certificate of Compliance** - Must include a statement of overall compliance to all the applicable specifications (statement is not required to list, but shall cover all the applicable specifications such as: drawing, PO, customer specifications, Plexus G9000- 3, IPC Specification, etc.). CoC must also include for traceability:
  - Name of Supplier (if different than the actual Manufacturer/OEM/OCM).

### Plexus Confidential

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- b. Name of Manufacturer/OEM/OCM.
  - c. Manufacturer's/OEM's/OCM's Part Number.
  - d. The Manufacturer/OEM/OCM Lot Number. Each shipment, COC and packing slip must contain only one lot number.
  - e. Location or place of manufacture.
  - f. For the product/part with a shelf life, the manufacturer or cure date, batch number, the shelf life and expiration date must be included (note: the remaining shelf life must be greater than 80% of the stated shelf life). Any special handling and/or storage requirements must also be included.
  - g. Plexus part number and Plexus purchase order number.
  - h. All recorded measurements must include unit of measure, inches is preferred.
  - i. EC level or Revision level as specified on the PO for the Plexus Part Number ordered.
- D. All test and inspection records provided with shipment shall have the following statement on the document: "The recording of false, fictitious or fraudulent statements or entries on this document may be punishable as a felony under Federal Statute."
- E. Packaging and Labeling - In addition to all other requirements listed, all required documentation, labels, packaging and packing slips must have Plexus part number, EC level or Revision, quantity and PO number listed on them.

## SUBSEQUENT SHIPMENTS

The documentation and quality requirements as listed below are required with for all subsequent shipments

- A. Materials Certificates - The material certification must include a statement declaring that the items are processed from the material specified and that all raw materials used conform to all applicable PO and drawing specifications and are traceable to test reports at the point of manufacturing. Included with each shipment the reports of the raw materials used in fabrication that provide direct traceability to the raw stock of the chemical compositions and physical properties for every PO and Lot Number of finished part.
- B. Certificate of Compliance - Must include a statement of overall compliance to all the applicable specifications (statement is not required to list, but shall cover all the applicable specifications such as: drawing, PO, customer specifications, Plexus G9000- 3, IPC Specification, etc.). CoC must also include for traceability:
- a. Name of Supplier (if different than the actual Manufacturer/OEM/OCM).
  - b. Name of Manufacturer/OEM/OCM.
  - c. Manufacturer's/OEM's/OCM's Part Number.
  - d. The Manufacturer/OEM/OCM Lot Number. Each shipment, COC and packing slip must contain only one lot number.
  - e. Location or place of manufacture.
  - f. For the product/part with a shelf life, the manufacturer or cure date, batch number, the shelf life and expiration date must be included (note: the remaining shelf life must be greater than 80% of the stated shelf life). Any special handling and/or storage requirements must also be included.
  - g. Plexus part number and Plexus purchase order number.
  - h. All recorded measurements must include unit of measure, inches is preferred.
  - i. EC level or Revision level as specified on the PO for the Plexus Part Number ordered.
- C. All test records provided shall have the following statement on the document: "The recording of false, fictitious or fraudulent statements or entries on this document may be punishable as a felony under Federal Statute."



- D. Labeling and Packaging - In addition to all other requirements listed, all required documentation, labels, packaging and packing slips must have Plexus part number, EC level or Revision, quantity and PO number listed on them.

All cartons, required documentation, labels, packaging and packing slips must have the Plexus part number, EC level or revision (if applicable), date code(s), quantity, and P.O. number listed on them.

The above listed required documentation must be submitted with each shipment. Shipments received without the proper execution and completion of these Quality Requirements is considered non-conforming and Plexus reserves the right to return to the supplier at the supplier's expense.

## PRODUCT CHANGE NOTIFICATION

Product or Process change notification (PCNs) shall be submitted to [pcns@plexus.com](mailto:pcns@plexus.com), please reference the details of our PCN policy and requirements in the Plexus Supplier Quality Manual, [DCS 10503](#).

## REVISION HISTORY

REV	RELEASE DATE	ORIGINATOR	DESCRIPTION OF CHANGE(S)	REASON FOR CHANGE(S)
A	06-Feb-2024	Jorge Irizarry	New - Initial Release	Specific requirements for 20H Prohibited materials.